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Sequence Listing was accepted.

See attached Validation Report.

If you need help call the Patent Electronic Business Center at (866)  
217-9197 (toll free).

Reviewer: Keisha Douglas

Timestamp: [year=2008; month=8; day=12; hr=19; min=30; sec=47; ms=424; ]

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Application No: 10509686 Version No: 2.0

Input Set:

Output Set:

**Started:** 2008-07-10 17:04:09.558  
**Finished:** 2008-07-10 17:04:12.303  
**Elapsed:** 0 hr(s) 0 min(s) 2 sec(s) 745 ms  
**Total Warnings:** 17  
**Total Errors:** 30  
**No. of SeqIDs Defined:** 19  
**Actual SeqID Count:** 19

Error code	Error Description
W 213	Artificial or Unknown found in <213> in SEQ ID (3)
W 213	Artificial or Unknown found in <213> in SEQ ID (4)
E 257	Invalid sequence data feature in <221> in SEQ ID (4)
W 213	Artificial or Unknown found in <213> in SEQ ID (5)
E 257	Invalid sequence data feature in <221> in SEQ ID (5)
E 257	Invalid sequence data feature in <221> in SEQ ID (5)
W 213	Artificial or Unknown found in <213> in SEQ ID (6)
E 257	Invalid sequence data feature in <221> in SEQ ID (6)
W 213	Artificial or Unknown found in <213> in SEQ ID (7)
E 257	Invalid sequence data feature in <221> in SEQ ID (7)
W 213	Artificial or Unknown found in <213> in SEQ ID (8)
E 257	Invalid sequence data feature in <221> in SEQ ID (8)
W 213	Artificial or Unknown found in <213> in SEQ ID (9)
E 257	Invalid sequence data feature in <221> in SEQ ID (9)
W 213	Artificial or Unknown found in <213> in SEQ ID (10)
E 257	Invalid sequence data feature in <221> in SEQ ID (10)
E 257	Invalid sequence data feature in <221> in SEQ ID (10)
W 213	Artificial or Unknown found in <213> in SEQ ID (11)
E 257	Invalid sequence data feature in <221> in SEQ ID (11)
E 257	Invalid sequence data feature in <221> in SEQ ID (11)

**Input Set:**

**Output Set:**

**Started:** 2008-07-10 17:04:09.558  
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**Total Warnings:** 17  
**Total Errors:** 30  
**No. of SeqIDs Defined:** 19  
**Actual SeqID Count:** 19

Error code	Error Description
W 213	Artificial or Unknown found in <213> in SEQ ID (12)
E 257	Invalid sequence data feature in <221> in SEQ ID (12)
E 257	Invalid sequence data feature in <221> in SEQ ID (12)
W 213	Artificial or Unknown found in <213> in SEQ ID (13)
E 257	Invalid sequence data feature in <221> in SEQ ID (13)
E 257	Invalid sequence data feature in <221> in SEQ ID (13)
W 213	Artificial or Unknown found in <213> in SEQ ID (14)
E 257	Invalid sequence data feature in <221> in SEQ ID (14)
E 257	Invalid sequence data feature in <221> in SEQ ID (14)
E 257	Invalid sequence data feature in <221> in SEQ ID (14)
W 213	Artificial or Unknown found in <213> in SEQ ID (15)
E 257	Invalid sequence data feature in <221> in SEQ ID (15)
W 213	Artificial or Unknown found in <213> in SEQ ID (16)
E 257	Invalid sequence data feature in <221> in SEQ ID (16) This error has occurred more than 20 times, will not be displayed
W 213	Artificial or Unknown found in <213> in SEQ ID (17)
W 213	Artificial or Unknown found in <213> in SEQ ID (18)
W 213	Artificial or Unknown found in <213> in SEQ ID (19)

SUBSTITUTE SEQUENCE LISTING

<110> VIVES, ROMAIN  
SATTENTAU, QUENTIN  
VITA, CLAUDIO  
LORTAT-JACOB, HUGUES

<120> ANTI-HIV COMPOSITION, METHOD OF PRODUCTION AND  
MEDICINAL PRODUCT

<130> 259880US0XPCT

<140> 10509686

<141> 2004-10-12

<150> PCT/FR03/01234

<151> 2003-04-17

<150> FR 02/04926

<151> 2002-04-19

<160> 19

<170> PatentIn Ver. 3.3

<210> 1

<211> 16

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<213> Homo sapiens

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<211> 31

<212> PRT

<213> Leiurus quinquestriatus

<400> 2

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Leu	Leu	Gly	Lys	Cys	Ile	Gly	Asp	Lys	Cys	Glu	Cys	Val	Lys	His
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<210> 3

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peptide

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Gly Lys Cys Ala Gly Ser Phe Cys Ala Cys Gly Pro  
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<222> (1)

<223> Cys or thiopropionic acid

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<223> Cys or thiopropionic acid

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<222> (23)

<223> bi-phenylalanine or naphtylalanine

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1 5 10 15

Gly Lys Cys Ala Gly Ser Phe Cys Ala Cys Val  
20 25

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<400> 7  
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1 5 10 15

Gly Lys Cys Ala Ser Ser Phe Cys Ala Cys Val  
20 25

<210> 8  
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1 5 10 15

Gly Lys Cys Ala Gly His Phe Cys Ala Cys Val  
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<210> 9

<211> 27

<212> PRT

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peptide

<220>

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<222> (1)

<223> Cys or thiopropionic acid

<400> 9

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1 5 10 15

Gly Lys Cys Ala Gly Asn Phe Cys Ala Cys Val  
20 25

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<211> 27

<212> PRT

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<223> Description of Artificial Sequence: Synthetic  
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<222> (1)

<223> Cys or thiopropionic acid

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<222> (23)

<223> bi-phenylalanine or naphthylalanine

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Gly Lys Cys Ala Gly Ser Xaa Cys Ala Cys Val  
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<223> bi-phenylalanine or naphtylalanine

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<223> bi-phenylalanine or naphtylalanine

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Gly Lys Cys Ala Gly Ser Xaa Cys Ala Cys Val  
20 25

<210> 13



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<220>  
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<220>  
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 <223> bi-phenylalanine or naphtylalanine

<400> 13  
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 1 5 10 15  
 Gly Lys Cys Ala Gly Ser Xaa Cys Ala Cys Val  
 20 25

<210> 14  
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 <212> PRT  
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<220>  
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<220>  
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<220>  
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<400> 14  
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<210> 15  
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 <223> Description of Artificial Sequence: Synthetic  
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 <223> Cys or thiopropionic acid  
  
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 Xaa Asn Leu His Phe Cys Val Gln Arg Cys His Ser Leu Gly Lys Leu  
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 Gly Lys Cys Ala Gly Ser Phe Cys Ala Cys Val  
          20                  25

<210> 16  
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 <221> MOD\_RES  
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 <223> Cys or thiopropionic acid  
  
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 Xaa Asn Leu His Phe Cys Val Gln Arg Cys His Ser Leu Gly Leu Lys  
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 Gly Lys Cys Ala Gly Ser Phe Cys Ala Cys Val  
          20                  25

<210> 17  
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 <212> PRT  
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       peptide  
  
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      1                  5                  10                  15

Gly Gly Cys Gln Gly Ser Phe Cys Thr Cys Gly  
20 25

<210> 18  
<211> 33  
<212> PRT  
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<220>  
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peptide

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His Asn Thr Ser Lys Gly Gly Cys Gln Gly Ser Phe Cys Thr Cys Gly  
20 25 30

Pro

<210> 19  
<211> 32  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Synthetic  
peptide

<220>  
<221> MOD\_RES  
<222> (1)  
<223> Cys or thiopropionic acid

<220>  
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<222> (2)..(7)  
<223> Any amino acid and this region may encompass 3 to  
6 residues

<220>  
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<222> (9)..(12)  
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4 residues

<220>  
<221> MOD\_RES  
<222> (14)..(23)  
<223> Any amino acid and this region may encompass 6 to  
10 residues

<220>

<221> MOD\_RES

<222> (25)

<223> Ala or Gln

<220>

<221> MOD\_RES

<222> (26)

<223> Gly, D-Asp, or Ser

<220>

<221> MOD\_RES

<222> (27)

<223> Ser, His or Asn

<220>

<221> MOD\_RES

<222> (28)

<223> Beta-naphthylalanine, Phe or  
biphenylalanine

<220>

<221> MOD\_RES

<222> (30)

<223> Thr or Ala

<220>

<221> MOD\_RES

<222> (32)

<223> Gly, Val or Ile

<220>

<223> See specification as filed for detailed description of  
substitutions and preferred embodiments

<400> 19

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1 5 10 15

Xaa Xaa Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Cys Xaa Cys Xaa  
20 25 30